

IN THE CLAIMS:

Kindly replace the claims with the following:

1. (Currently amended) A broadcast enhancement system [[backward-]] compatible with a television and a set-top-box that has a receiver for receiving a television broadcast signal, without any adaptation required to the set-top-box or the television, said system comprising a mixer having a receiver for receiving a ~~wireless~~ transmission of an enhancement signal, the two receivers being arranged separately from each other, ~~said system being further configured for enhancing the received television broadcast signal using the received enhancement signal~~, at least one of the two signals being prepared for chroma keying, the ~~system also~~ mixer being configured to intercept the received television broadcast signal before it is passed to the television, to apply chroma keying to superimpose the enhancement signal onto the intercepted television broadcast signal and to pass the superimposed signal to the television.

2. (Original) A system according to claim 1, including a processor for formatting data received in the enhancement signal prior to applying chroma keying to superimpose it onto the television broadcast signal.

3. (Original) A system according to claim 1, in which the enhancement signal comprises a World Wide Web page.

4. (Original) A system according to claim 1 in which the enhancement signal is multiplexed with the television broadcast signal prior to transmission, wherein the system includes a demultiplexer for extracting the enhancement signal from the received television broadcast signal.

5. (Original) A system according to claim 1, in which the enhancement signal is received as teletext.

6. (Original) A system according to claim 1, in which the enhancement signal is received via the internet.

7. (Canceled)

8. (Canceled)

9. (Currently amended) A method of enhancing a television broadcast comprising the steps of:
 preparing a plurality of broadcast signals, at least one of which being prepared for chroma keying,
 transmitting the plurality of broadcast signals to a corresponding receiver,
 processing one of said received broadcast signals according to instructions in the broadcast signal to prepare the signal for chroma keying;
~~the receiver applying, in a mixing unit, chroma keying to the received signals to create a superimposed signal for display as an enhanced television broadcast, further comprising the step of processing one of said received broadcast signals according to instructions in the broadcast signal to prepare the signal for chroma keying.~~

10. (Currently amended) The broadcast enhancement system of claim 1,
~~further comprising~~ wherein said mixer is contained in said set-top-box.

11. (Previously presented) A set-top-box configured to apply to a received television broadcast the method of claim 9.

12. (Cancelled).

13. (Cancelled).

14. (Cancelled).

15. (Currently amended) A mixer for use in a broadcast enhancement system that is [[backward-]]compatible with a television and set-top-box that has a receiver for receiving a television broadcast signal, without any adaptation required to the set-top-box or the television, said mixer being connected to a receiver for receiving ~~a wireless transmission of an enhancement signal~~, the two receivers being arranged separately from each other, ~~said mixer being configured for enhancing the received television broadcast signal using the received enhancement signal~~, at least one of the two signals being prepared for chroma keying, the mixer ~~being~~ further configured to intercept the received television broadcast signal before it is passed to the television, to apply chroma keying to superimpose the enhancement signal onto the intercepted television broadcast signal and to pass the superimposed signal to the television.

16. (Cancelled).

17. (New) A mixer for enhancing a television image comprising:
means for receiving a broadcast television signal; and
means for receiving an enhancement signal, at least one of the two signals being prepared for chroma keying, wherein said mixer is configured to apply chroma keying to superimpose the enhancement signal onto the received television broadcast signal and to pass the superimposed signal to a television set.

18. (New) The mixer accordingly to claim 17, wherein the broadcast television signal is input to said mixer from a set-top box.

19. (New) The mixer according to claim 17, wherein the mixer is contained in the set-top box.

20. (New) The mixer according to claim 17, wherein the enhancement signal is received via the Internet.

21. (New) The mixer according to claim 17, wherein the enhancement signal is received via a wireless transmission.